

CLAIMS

What is claimed is:

1. An optical disc drive comprising:
a case having a circuit board;
a tray to have an optical disc mounted thereon, and installed in the case and slidable in and out of the case;
a main base coupled to the tray, the main base comprising a spindle motor to rotate the optical disc, a bracket to support the spindle motor, an optical pickup to access the optical disc and a driving motor to drive the optical pickup;
a flexible printed circuit electrically connecting the circuit board and the tray, on which a ground pattern is formed; and
a base cover coupled to the main base to protect the main base,
wherein an exposure portion of the ground pattern is formed on part of the flexible printed circuit, and a contact portion electrically contacting the exposure portion of the ground pattern is formed on the base cover so that static electricity applied to the base cover is grounded.
2. The optical disc drive of claim 1, wherein the flexible printed circuit comprises:
a first flexible printed circuit electrically connecting the circuit board and the main base;
and
a second flexible printed circuit electrically connecting the main base and the tray,
wherein the exposure portion of the ground pattern is formed on an end portion of the second flexible printed circuit.
3. The optical disc drive of claim 1, wherein the contact portion is formed on the main base by cutting a part of the base cover and bending the cut part toward the exposure portion of the ground pattern.
4. The optical disc drive of claim 2, wherein the contact portion is formed on the main base by cutting a part of the base cover and bending the cut part toward the exposure portion of the ground pattern.

5. The optical disc drive of claim 1, wherein the base cover is coated with an insulation layer.

6. An optical disc drive comprising:
a case having a circuit board;
a tray to have an optical disc mounted thereon, and installed in the case and slidable in and out of the case;
a main base coupled to the tray, the main base comprising a spindle motor to rotate the optical disc, a bracket to support the spindle motor, an optical pickup to record data on the optical disc and reproduce data while sliding across the optical disc and a driving motor to drive the optical pickup;
a flexible printed circuit electrically connecting the circuit board and the tray, wherein a ground pattern is formed on an end portion of the flexible printed circuit and a portion of the ground pattern is exposed outwardly to ground static electricity; and
a base cover coupled to the main base and coated with an insulation layer to protect the main base,
wherein a contact portion of the base cover is bent toward the portion of the ground pattern and a cut surface of the contact portion is not coated with the insulation layer to allow electricity to flow from the contact portion to the portion of the ground pattern.